Internal Locking Device (ILD) Fact Sheet

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Dual-Cylinder ILD with keys/key guides.
(Shown with T-bolt for securing sliding doors.)

Application

The Internal Locking Device (ILD) was developed by the DoD Lock Program for use on Department of Defense weapons storage magazine doors. ILD systems are available for both hinged and sliding doors and provide significant improvements over high security padlock and hasp systems now being used to secure Arms, Ammunition, and Explosives.

The ILD is designed for easy integration with electronic access control and remote monitoring systems, including wireless commercial-off-the-shelf equipment. Central control, operational audit trails, remote actuation, and alarm systems can be readily integrated with the ILD.

Equipment Description

The ILD can be used on new construction or to retrofit existing magazine doors. Each complete ILD system consists of the ILD, associated bolt work, and mounting hardware. The ILD is approximately 8" x 3" x 5" and weighs under 10 pounds. The bolt work and mounting systems for hinged and sliding magazine doors are different, but both provide easy access and operation.

The ILD is available in both single-key and dual-key models and can be easily converted to meet changing security requirements. Easy-to-use protective key guides protect ILD keys when not in use.

Design Improvements

The ILD provides a number of advantages over high security padlocks used with either of the NAPEC shrouded hasps, the NATIC hasps, or the universal hasp locking system. These innovations and design features increase security, reduce cost, and simplify operation.

- The ILD is specifically designed to improve forced entry resistance. Tests have shown a 5-fold increase in forced entry delay time over high security padlocks and hasps.
- The cost of the ILD system is comparable to the currently approved padlock/hasp/anti-intrusion barrier (AIB) system. In addition, the ILD is designed to be maintenance free, making it very cost effective.
- In contrast to padlocks, the ILD is sheltered from hostile environmental conditions. The result is a high security locking system that is extremely resistant to wind-driven sand, dust, rain and ice, corrosive salt spray, extreme heat and cold, and freeze-thaw conditions.
- The ILD is easy to operate. Only a few operational steps are necessary to open or close the lock. The key guides allow for quick, fluid key insertion and reduce key breakage problems. In contrast, keys are often difficult to insert in padlocks used with shrouded hasps.
- The ILD has a push-through key feature. If a key does break inside an ILD, it can be removed from the lock cylinder by pushing it through with another key.
- The ILD can be easily integrated with hardwired and remote electronic monitoring and access control systems.

For more information about the ILD contact:

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